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Panasonic

# Operating Instructions

## Digital Cordless Answering System

Model No. **KX-TG6591E**
**KX-TG6592E**
**KX-TG6593E**

Model shown is KX-TG6591.

***Before initial use, see "Getting Started" on page 11.***

**Thank you for purchasing a Panasonic product.**

Please read these operating instructions before using the unit and save them for future reference.
This unit is compatible with Caller ID. You must subscribe to the appropriate service offered by your service provider/telephone company.

**Please access our online customer survey:**
**http://panasonic.net/pcc/tel/q**

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# Model composition

| Series | Model No. | Base unit | Handset | |
|---|---|---|---|---|
| | | Part No. | Part No. | Quantity |
| KX-TG6591 series | KX-TG6591 | KX-TG6591 | KX-TGA659 | 1 |
| | KX-TG6592 | KX-TG6591 | KX-TGA659 | 2 |
| | KX-TG6593 | KX-TG6591 | KX-TGA659 | 3 |

- The suffix (E) in the following model numbers will be omitted in these instructions: KX-TG6591E/KX-TG6592E/KX-TG6593E

## Feature highlights

■ **Easy-to-see LCD and big button**
- 1.9 inches wide display with white backlight
- Big keys with backlight

■ **Easy-to-use feature**
- Distress call function from handset and base unit
- 3 One-touch dials on handset and base unit
- Dedicated volume key on the side of handset
- Secure grip handset
- One touch eco mode
- Hands-free speakerphone on handset and base unit

■ **Easy-to-hear feature**
- Customised sound system
  Choose prefer sound. (Bass/Standard/Treble)
- Loud receiving volume
- Clear sound
- Hearing aid compatible (Compliance with “TIA-1083” standard)

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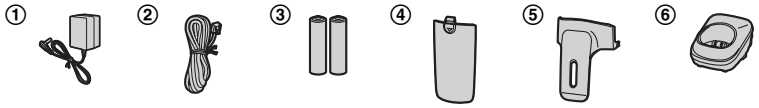
# Accessory information

## Supplied accessories

| No. | Accessory item/ Part number | Quantity | | |
|---|---|---|---|---|
| | | KX-TG6591 | KX-TG6592 | KX-TG6593 |
| ① | AC adaptor/ PQLV219EW or PQLV219EZ | 1 | 2 | 3 |
| ② | Telephone line cord/ PNJA1037Z (for U.K.) | 1 | 1 | 1 |
| ③ | Rechargeable batteries*1/ HHR-55AAAB or N4DHYYY00005 | 2 | 4 | 6 |
| ④ | Handset cover*2 | 1 | 2 | 3 |
| ⑤ | Belt clip/PNKE1076Z2 | 1 | 2 | 3 |
| ⑥ | Charger/PNLC1015ZM | — | 1 | 2 |

*1 See page 4 for replacement battery information.
*2 The handset cover comes attached to the handset.




## Additional/replacement accessories

Please contact your nearest Panasonic dealer for sales information.

| Accessory item | Model number |
|---|---|
| Rechargeable batteries | P03P or HHR-4NGE*1 |
| | Battery type:<br>– Nickel metal hydride (Ni-MH)<br>– 2 x AAA (R03) size for each handset |
| Headset | RP-TCA400, RP-TCA430 |
| DECT repeater | KX-A272 |

*1 Replacement batteries may have a different capacity from that of the supplied batteries.

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## Expanding your phone system

You can expand your phone system by registering optional handsets (6 max.) to a single base unit.

- Optional handsets may be a different colour from that of the supplied handsets.

**Handset (optional): KX-TGA659E**

## Sales and support information

**Customer Communication Centre**

- For customers within the U.K.: 0844 844 3898
- For customers within the Republic of Ireland: 01289 8333
- Visit our website for product information: **www.panasonic.co.uk**
- E-mail: **customer.care@panasonic.co.uk**

**Direct Sales at Panasonic U.K.**

- Order accessory and consumable items for your product with ease and confidence by phoning our Customer Communication Centre Monday - Thursday 9:00am - 5:30pm, Friday 9:30am - 5:30pm (Excluding public holidays).
- Or go on line through our Internet Accessory ordering application at **www.pas-europe.com**
- Most major credit and debit cards accepted.
- All enquiries transactions and distribution facilities are provided directly by Panasonic U.K. Ltd.
- It couldn't be simpler!
- Also available through our Internet is direct shopping for a wide range of finished products, take a browse on our website for further details.

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# General information

- This equipment is designed for use on the U.K. and Republic of Ireland analogue telephone network.
- In the event of problems, you should contact your equipment supplier in the first instance.

**Declaration of Conformity:**

- Panasonic System Networks Co., Ltd. declares that this equipment is in compliance with the essential requirements and other relevant provisions of Radio & Telecommunications Terminal Equipment (R&TTE) Directive 1999/5/EC. Declarations of Conformity for the relevant Panasonic products described in this manual are available for download by visiting:
  http://www.doc.panasonic.de
  **Contact to Authorised Representative:**
  Panasonic Testing Centre
  Panasonic Marketing Europe GmbH
  Winsbergring 15, 22525 Hamburg, Germany

## For your future reference

We recommend keeping a record of the following information to assist with any repair under warranty.

| Serial No. | Date of purchase |
|---|---|
| (found on the bottom of the base unit) | |
| Name and address of dealer | |

**Attach your purchase receipt here.**

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# For your safety

To prevent severe injury and loss of life/ property, read this section carefully before using the product to ensure proper and safe operation of your product.

## WARNING

### Power connection

- Use only the power source marked on the product.
- Do not overload power outlets and extension cords. This can result in the risk of fire or electric shock.
- Completely insert the AC adaptor/power plug into the power outlet. Failure to do so may cause electric shock and/or excessive heat resulting in a fire.
- Regularly remove any dust, etc. from the AC adaptor/power plug by pulling it from the power outlet, then wiping with a dry cloth. Accumulated dust may cause an insulation defect from moisture, etc. resulting in a fire.
- Unplug the product from power outlets if it emits smoke, an abnormal smell, or makes an unusual noise. These conditions can cause fire or electric shock. Confirm that smoke has stopped emitting and contact an authorised service centre.
- Unplug from power outlets and never touch the inside of the product if its casing has been broken open.
- Never touch the plug with wet hands. Danger of electric shock exists.

### Installation

- To prevent the risk of fire or electrical shock, do not expose the product to rain or any type of moisture.
- Do not place or use this product near automatically controlled devices such as automatic doors and fire alarms. Radio waves emitted from this product may cause such devices to malfunction resulting in an accident.
- Do not allow the AC adaptor or telephone line cord to be excessively pulled, bent or placed under heavy objects.

### Operating safeguards

- Unplug the product from power outlets before cleaning. Do not use liquid or aerosol cleaners.
- Do not disassemble the product.
- Do not spill liquids (detergents, cleansers, etc.) onto the telephone line cord plug, or allow it to become wet at all. This may cause a fire. If the telephone line cord plug becomes wet, immediately pull it from the telephone wall jack, and do not use.
- The use of excessive sound volume through earphones, headphones, or headsets may cause hearing loss.
- Do not place a handset on the base unit with the headset jack cover opened.

### Medical

- Consult the manufacturer of any personal medical devices, such as pacemakers or hearing aids, to determine if they are adequately shielded from external RF (radio frequency) energy. (The product operates in the frequency range of 1.88 GHz to 1.90 GHz, and the RF transmission power is 250 mW (max.).)
- Do not use the product in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

## CAUTION

### Installation and location

- Never install telephone wiring during an electrical storm.
- Never install telephone line jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines.
- The AC adaptor is used as the main disconnect device. Ensure that the AC outlet is installed near the product and is easily accessible.
- This product is unable to make calls when:
  - the handset batteries need recharging or have failed.

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– there is a power failure.
– the key lock feature is turned on.

**Battery**

- We recommend using the batteries noted on page 4. **USE ONLY rechargeable Ni-MH batteries AAA (R03) size.**
- Do not mix old and new batteries.
- Do not open or mutilate the batteries. Released electrolyte from the batteries is corrosive and may cause burns or injury to the eyes or skin. The electrolyte is toxic and may be harmful if swallowed.
- Exercise care when handling the batteries. Do not allow conductive materials such as rings, bracelets, or keys to touch the batteries, otherwise a short circuit may cause the batteries and/or the conductive material to overheat and cause burns.
- Charge the batteries provided with or identified for use with this product only, in accordance with the instructions and limitations specified in this manual.
- Only use a compatible base unit (or charger) to charge the batteries. Do not tamper with the base unit (or charger). Failure to follow these instructions may cause the batteries to swell or explode.

# Important safety instructions

When using your product, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Do not use this product near water for example, near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

**SAVE THESE INSTRUCTIONS**

# For best performance

**Base unit location/avoiding noise**

The base unit and other compatible Panasonic units use radio waves to communicate with each other.

- For maximum coverage and noise-free communications, place your base unit:
  – at a convenient, high, and central location with no obstructions between the handset and base unit in an indoor environment.
  – away from electronic appliances such as TVs, radios, personal computers, wireless devices, or other phones.
  – facing away from radio frequency transmitters, such as external antennas of mobile phone cell stations. (Avoid putting the base unit on a bay window or near a window.)
- Coverage and voice quality depends on the local environmental conditions.
- If the reception for a base unit location is not satisfactory, move the base unit to another location for better reception.

**Environment**

- Keep the product away from electrical noise generating devices, such as fluorescent lamps and motors.
- The product should be kept free from excessive smoke, dust, high temperature, and vibration.
- The product should not be exposed to direct sunlight.
- Do not place heavy objects on top of the product.
- When you leave the product unused for a long period of time, unplug the product from the power outlet.
- The product should be kept away from heat sources such as radiators, cookers, etc. It should not be placed in rooms where the temperature is less than 0 °C or greater than 40 °C. Damp basements should also be avoided.
- The maximum calling distance may be shortened when the product is used in the following places: Near obstacles such as hills, tunnels, underground, near metal objects such as wire fences, etc.

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- Operating the product near electrical appliances may cause interference. Move away from the electrical appliances.

**Routine care**

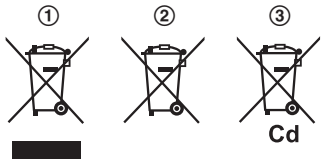
- **Wipe the outer surface of the product with a soft moist cloth.**
- Do not use benzine, thinner, or any abrasive powder.

# Other information

**Notice for product disposal, transfer, or return**

- This product can store your private/ confidential information. To protect your privacy/confidentiality, we recommend that you erase information such as phonebook or caller list entries from the memory before you dispose of, transfer, or return the product.

**Information for Users on Collection and Disposal of Old Equipment and used Batteries**




These symbols (①, ②, ③) on the products, packaging, and/or accompanying documents mean that used electrical and electronic products and batteries should not be mixed with general household waste.
For proper treatment, recovery and recycling of old products and used batteries, please take them to applicable collection points, in accordance with your national legislation and the Directives 2002/96/EC and 2006/66/EC.
By disposing of these products and batteries correctly, you will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.
For more information about collection and recycling of old products and batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

**For business users in the European Union**

If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

**Information on Disposal in other Countries outside the European Union**

These symbols (①, ②, ③) are only valid in the European Union. If you wish to discard these items, please contact your local authorities or dealer and ask for the correct method of disposal.

**Note for the battery symbol**

This symbol (②) might be used in combination with a chemical symbol (③). In this case it complies with the requirement set by the Directive for the chemical involved.

# Specifications

- **Standard:**
  DECT (Digital Enhanced Cordless Telecommunications),
  GAP (Generic Access Profile)
- **Frequency range:**
  1.88 GHz to 1.90 GHz
- **RF transmission power:**
  Approx. 10 mW (average power per channel)
- **Power source:**
  220–240 V AC, 50/60 Hz
- **Power consumption:**
  **Base unit:**
  Standby: Approx. 0.6 W
  Maximum: Approx. 4.0 W
  **Charger:**
  Standby: Approx. 0.2 W
  Maximum: Approx. 3.0 W
- **Operating conditions:**
  0 °C–40 °C, 20 %–80 % relative air humidity (dry)

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**Note:**

- Design and specifications are subject to change without notice.
- The illustrations in these instructions may vary slightly from the actual product.

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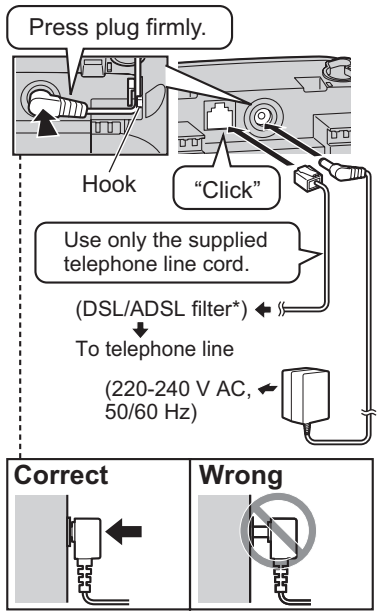
# Setting up

## Connections

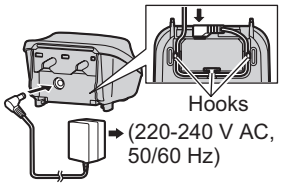
- Use only the supplied Panasonic AC adaptor PQLV219E.

■ **Base unit**



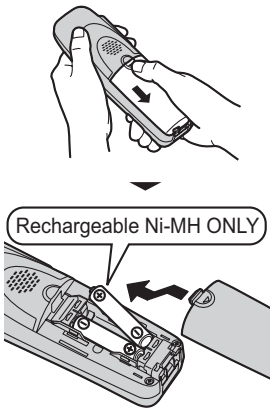

*DSL/ADSL filter (not supplied) is required if you have DSL/ADSL service.

■ **Charger**




## Battery installation

- USE ONLY Ni-MH batteries AAA (R03) size.
- Do NOT use Alkaline/Manganese/Ni-Cd batteries.
- Confirm correct polarities (⊕, ⊖).

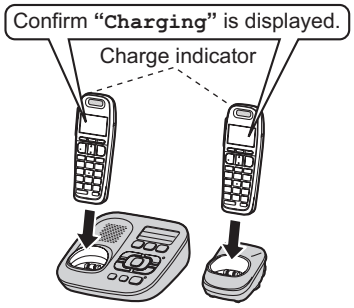



- When the language selection is displayed, see page 16.

## Battery charge

Charge for about 7 hours.

- When the batteries are fully charged, the charge indicator goes off and **"Fully charged"** is displayed.



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# Note when setting up

**Note for connections**

- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- The AC adaptor should be connected to a vertically oriented or floor-mounted AC outlet. Do not connect the AC adaptor to a ceiling-mounted AC outlet, as the weight of the adaptor may cause it to become disconnected.

**During a power failure**

The unit will not work during a power failure. We recommend connecting a corded-type telephone (without AC adaptor) to the same telephone line or to the same telephone line jack using a T-adaptor. Your Panasonic sales shop can offer you more information about connection possibilities.

**Note for battery installation**

- Use the supplied rechargeable batteries. For replacement, we recommend using the Panasonic rechargeable batteries noted on page 4, 8.
- Wipe the battery ends (⊕, ⊖) with a dry cloth.
- Avoid touching the battery ends (⊕, ⊖) or the unit contacts.

**Note for battery charge**

- It is normal for the handset to feel warm during charging.
- Clean the charge contacts of the handset, base unit, and charger with a soft and dry cloth once a month. Clean more often if the unit is exposed to grease, dust, or high humidity.

**Battery level**

| Icon | Battery level |
|---|---|
| | High |
| | Medium |
| | Low |
| | Needs charging. |

**Panasonic Ni-MH battery performance (supplied batteries)**

| Operation | Operating time |
|---|---|
| In continuous use | 15 hours max.<br>13 hours max.*1 |
| Not in use (standby) | 170 hours max.<br>60 hours max.*1 |

*1 Distress call feature is on.

**Note:**

- It is normal for batteries not to reach full capacity at the initial charge. Maximum battery performance is reached after a few complete cycles of charge/discharge (use).
- Actual battery performance depends on usage and ambient environment.
- Even after the handset is fully charged, the handset can be left on the base unit or charger without any ill effect on the batteries.
- The battery level may not be displayed correctly after you replace the batteries. In this case, place the handset on the base unit or charger and let it charge for at least 7 hours.

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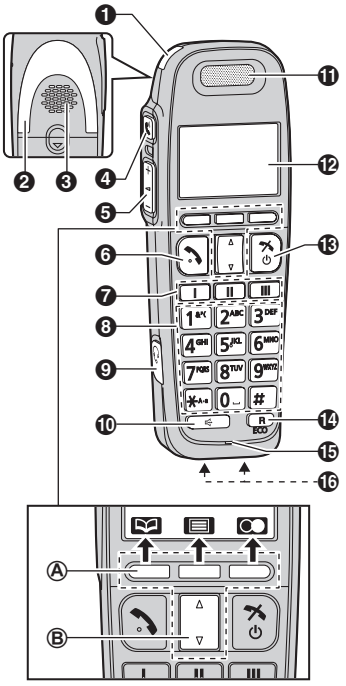
# Controls

## Handset



❶ **Charge indicator**
**Ringer indicator**
❷ **Secure grip**
- Secure grip offers support when you cradle the handset between your shoulder and ear.

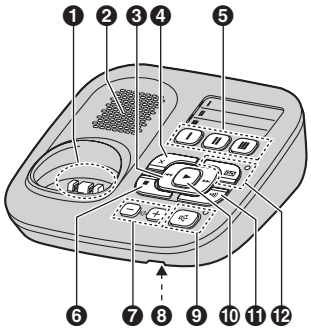
❸ **Speaker**
❹ **【】(Voice enhancer)**
❺ **【+】/【−】(: Volume up/down)**
❻ **【】(Talk)**
❼ **【I】/【II】: Speed dial keys**
**【III】: Speed dial key/**
**Distress call key and indicator**
❽ **Dial keypad**
❾ **Headset jack**
❿ **【】(Speakerphone)**
⓫ **Receiver**
⓬ **Display**
⓭ **【】(Off/Power)**
⓮ **【R】: Recall/Flash**
**【ECO】: Eco mode shortcut key**
⓯ **Microphone**
⓰ **Charge contacts**

■ **Control type**

Ⓐ **Soft keys**
The handset features 3 soft keys. By pressing a soft key, you can select the feature shown directly above it on the display.

Ⓑ **Navigator key**
By pressing this key (【▲】 or 【▼】) repeatedly, you can:
– scroll through (up or down) various lists and items
– adjust the receiver or speaker volume (up or down) while talking
– move the cursor (left or right) to edit number and name

## Base unit



❶ **Charge contacts**
❷ **Speaker**
❸ **【】/【】(Repeat/Skip)**
❹ **【×】(Erase)**

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**❺ 【I】/【II】: Speed dial keys**
**【III】: Speed dial key/**
**Distress call key and indicator**
**❻ 【■】 (Stop)**
**❼ 【+】/【−】 (: Volume up/down)**
**❽ Microphone**
**❾ 【】 (Speakerphone)**
**Speakerphone indicator**
**❿ 【►】 (Play)**
**Message indicator**
**⓫ 【】 (Locator)**
**⓬ 【】 (Answer on)**
**Answer on indicator**

# Display

**Handset display items**

| Item | Meaning |
|---|---|
| | Within base unit range |
| | Out of base unit range |
| | Paging, intercom mode |
| | Speakerphone is on. (page 17) |
| | The line is in use.<br>● When flashing slowly: The call is put on hold.<br>● When flashing rapidly: An incoming call is now being received. |
| | Missed call*1 (page 37) |
| ECO | The base unit transmission power is set to **"Low"**. (page 16) |
| | The LCD and key backlight is off. (page 30) |
| | ● When displayed next to the battery icon: Answering system is on. (page 39)<br>● When displayed with a number: New messages have been recorded. (page 41) |
| | Answering system answers calls with a greeting message and caller messages are not recorded. ("Selecting "Greeting Only"", page 44) |
| | Battery level |
| | Alarm is on. (page 33) |
| | Voice enhancer is set. (page 18) |
| | Privacy mode is on. (page 31) |
| | Ringer volume is off. (page 32) |
| | Night mode is on. (page 33) |
| | Blocked call*1 (page 34, 37) |
| | New voice mail message received.*2 (page 45) |

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| Item | Meaning |
|---|---|
| | Distress call feature is now being used. (page 25)<br>● When flashing rapidly: A distress call is now being received. |
| `Distress` | Distress call feature is now being used. |
| `Line in use` | Someone is using the line. |
| `IN USE` | Answering system is being used by another handset. |

*1 Caller ID subscribers only
*2 Voice mail subscribers only

**Soft key icons**

| Icon | Action |
|---|---|
| | Returns to the previous screen or outside call. |
| | Displays the menu. |
| OK | Accepts the current selection. |
| | Displays a previously dialled phone number. |
| | Makes a call. (page 17) |
| | Temporarily turns off the ringer for incoming calls. (page 18) |
| 12/24 | Sets 24-hour or 12-hour clock format. (page 16) |
| | Places a call on hold. (page 47) |
| | Opens the phonebook. |
| | Allows you to edit phone numbers. (page 35, 38) |
| | Adds new entry. (page 21, 34) |
| | Displays the character entry mode for phonebook search. (page 21) |
| | Turns the key lock feature off. (page 20) |
| 1/A/? | Selects a character entry mode. |
| | Stops recording or playback. |
| | Stores phone numbers. (page 34, 38) |
| P | Inserts a dialling pause. |
| | Erases the selected item or returns to the outside call. |
| | Allows you to make an intercom call. (page 46) |
| | Establishes a conference call. (page 47) |
| C | Erases a number/character. |
| | Puts the call on mute. |

# Turning the power on/off

**Power on**

Press 【☎⏻】 for about 1 second.

**Power off**

Press 【☎⏻】 for about 2 seconds.

# Initial settings

**Symbol meaning:**
**Example: 【▼】/【▲】: “`Off`”**
Press 【▼】 or 【▲】 to select the words in quotations.

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**Important:**

- When you install the batteries for the first time, the handset may prompt you to set display language and date and time.
  - – Perform step 2 in “Display language”, page 16, and then press OK.
  - – Continue from step 2 in “Date and time”, page 16.

## Display language

**1** MENU → **[#][1][1][0]**

**2** **[▼]**/**[▲]**: Select your desired language. → OK

**3** **[ ]**

## Date and time

**1** MENU → **[#][1][0][1]**

**2** Enter the current date, month, and year. → OK
**Example:** 15 July, 2010
**[1][5] [0][7] [1][0]**

**3** Enter the current hour and minute.
**Example:** 9:30
**[0][9] [3][0]**
- You can select 24-hour or 12-hour clock format (**“AM”** or **“PM”**) by pressing 12/24.

**4** OK → **[ ]**

**Note:**

- To correct a digit, press **[▲]** or **[▼]** to move the cursor to the digit, then make the correction.
- The date and time may be incorrect after a power failure. In this case, set the date and time again.

# One touch eco mode

The **[ECO]** button on the handset enables you to activate the eco function with one touch.
By activating eco mode, your unit can reduce the base unit transmission power by up to 90% in standby mode.
You can turn on/off one touch eco mode by just pressing **[ECO]**. The default setting is **“Normal”**.

– When the one touch eco mode is on: **“Low”** is temporarily displayed and ECO is shown on the handset display instead of Y.
– When the one touch eco mode is off: **“Normal”** is temporarily displayed and ECO goes off from the handset display.

**Note:**

- When there is another cordless phone nearby and it is in use, the base unit transmission power may not be reduced.
- Activating one touch eco mode reduces the range of the base unit in standby mode.
- If you set the repeater mode to **“On”** (page 36):
  - – One touch eco mode is cancelled.
  - – **“Eco Setup”** is not shown in the display menu (page 29).

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# Making calls

## Using the handset

**1** Lift the handset and dial the phone number.
- To correct a digit, press **C**.

**2** Press 【↷】 or 【↷】.

**3** When you finish talking, press 【⏻】 or place the handset on the base unit or charger.

### Using the speakerphone

**1** Dial the phone number and press 【🔊】.
- Speak alternately with the other party.

**2** When you finish talking, press 【⏻】.

**Note:**
- For best performance, use the speakerphone in a quiet environment.
- To switch back to the receiver, press 【↷】.

### Adjusting the receiver or speaker volume

Press 【+】 or 【−】 repeatedly while talking.

### Making a call using the redial list

The last 20 phone numbers dialled are stored in the redial list (each 24 digits max.).

**1** 【📖】

**2** 【▼】/【▲】: Select the desired phone number.

**3** 【↷】

### Erasing a number in the redial list

**1** 【📖】

**2** 【▼】/【▲】: Select the desired phone number. → **X**

**3** 【▼】/【▲】: “Yes” → **OK** → 【⏻】

### Pause (for PBX/long distance service users)

A pause is sometimes required when making calls using a PBX or long distance service. When storing a calling card access number and/or PIN in the phonebook, a pause is also needed (page 22).

**Example:** If you need to dial the line access number “0” when making outside calls with a PBX:

**1** 【0】 → **P**

**2** Dial the phone number. → 【↷】

**Note:**
- A 3 second pause is inserted each time **P** is pressed. Repeat as needed to create longer pauses.

## Using the base unit

You can make calls with the base unit after storing phone number in speed dial key (page 23).

**1** Press the speed dial key (【I】 to 【III】).

**2** When the other party answers, speak into the microphone.
- Speak alternately with the other party.

**3** When you finish talking, press 【🔊】.

**Note:**
- For best performance, use the speakerphone in a quiet environment.
- While on a call, you can switch from the base unit to the handset:
  - Press 【↷】 on the handset, then press 【🔊】 on the base unit with the privacy mode off (page 31).
  - If the handset is on the base unit, simply lift it.

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**Adjusting the speaker volume**

Press 【+】 or 【−】 repeatedly while talking.

# Answering calls

## Using the handset

When a call is being received, the ringer indicator flashes rapidly.

1 Lift the handset and press 【 】 or 【 】 when the unit rings.
- You can also answer the call by pressing any dial key from 【0】 to 【9】, 【*】, or 【#】. **(Any key answer feature)**

2 When you finish talking, press 【 】 or place the handset on the base unit or charger.

**Auto talk**

You can answer calls simply by lifting the handset off the base unit or charger. You do not need to press 【 】. To turn this feature on, see page 31.

**Adjusting the handset ringer volume**

Press 【+】 or 【−】 repeatedly to select the desired volume while the handset is ringing for an incoming call.

**Note:**

- You can also program the handset ringer volume beforehand (page 30).

**Temporary handset ringer off**

While the handset is ringing for a call, you can turn the ringer off temporarily by pressing .

## Using the base unit

When a call is being received, the speakerphone indicator flashes rapidly.

1 Press 【 】 when the unit rings.

2 Speak into the microphone.

3 When you finish talking, press 【 】.

**Adjusting the base unit ringer volume**

Press 【+】 or 【−】 repeatedly to select the desired volume.

- To turn the ringer off, press and hold 【−】 until the unit beeps.

**Note:**

- Even when the ringer volume is set to off, the base unit still rings for intercom calls (page 46).

# Useful features during a call

## Handset voice enhancer

This feature clarifies the voice of the person you are talking to, producing a more natural-sounding voice that is easier to hear and understand.

Press 【 】 repeatedly to select **"Off"**, **"High Tone"**, or **"Low Tone"** while talking.

**Note:**

- When this feature is activated, is displayed while talking.
- Depending on the condition and quality of your telephone line, this feature may emphasise existing line noise. If it becomes difficult to hear, turn this feature off.
- This feature is not available while using the speakerphone.

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## Hold

This feature allows you to put an outside call on hold.

**1** Press ▤ during an outside call.

**2** 【▼】/【▲】: “Hold” → OK

**3** To release hold, press 【↷】.
- Another handset user can take the call by pressing 【↷】.
- The base unit user can take the call by pressing 【🔊】.

**Note:**
- If a call is kept on hold for more than 9 minutes, an alarm tone starts to sound and the ringer indicator flashes rapidly. After 1 additional minute on hold, the call is disconnected.
- If another phone is connected to the same line (page 12), you can also take the call by lifting its handset.
- While an outside call is on hold, the speakerphone indicator on the base unit flashes.

## Mute

While mute is turned on, you can hear the other party, but the other party cannot hear you.

**1** Press ⊠ during conversation.
- ⊠ flashes.

**2** To return to the conversation, press ⊠ again.

## Recall/flash

【R】 allows you to use the special features of your host PBX such as transferring an extension call, or accessing optional telephone services.

**Note:**
- To change the recall/flash time, see page 31.

## For call waiting or Call Waiting Caller ID service users

To use call waiting, you must first subscribe to call waiting from your service provider/telephone company. This feature allows you to receive calls while you are already talking on the phone. If you receive a call while on the phone, you will hear a call waiting tone. **If you subscribe to both Caller ID and Call Waiting with Caller ID services**, the 2nd caller’s information is displayed after you hear the call waiting tone on the handset.

**1** Press 【R】 to answer the 2nd call.

**2** To switch between calls, press 【R】.

**Note:**
- Please contact your service provider/ telephone company for details and availability of this service in your area.

## Call share

You can join an existing outside call.

**Handset**

To join the conversation, press 【↷】 when the other handset/base unit is on an outside call.

**Base unit**

To join the conversation, press 【🔊】 when the handset is on an outside call.

**Note for handset and base unit:**
- To prevent other users from joining your conversations with outside callers, turn the privacy mode on (page 31).

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## Handset key lock

The handset can be locked so that no calls or settings can be made. Incoming calls can be answered, but all other functions are disabled while key lock is on.

To turn key lock on, press MENU for about 3 seconds.

- is displayed.
- To turn key lock off, press for about 3 seconds.

**Note:**

- Calls to emergency numbers cannot be made until key lock is turned off.

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# Handset phonebook

The phonebook allows you to make calls without having to dial manually. You can add 100 names and phone numbers.

## Adding entries

**1** 📖 → 📖+

**2** Enter the party's name (16 characters max.). → **OK**
- You can change the character entry mode by pressing **1/A/?** (page 48).

**3** Enter the party's phone number (24 digits max.). → **OK** 2 times
- To add other entries, repeat from step 2.

**4** 【⏻】

## Finding and calling a phonebook entry

### Scrolling through all entries

**1** 📖

**2** 【▼】/【▲】: Select the desired entry.
- You can scroll through the phonebook entry by pressing and holding 【▼】 or 【▲】.

**3** 【📞】

### Searching by first character

**1** 📖
- Change the character entry mode if necessary:
  🔍 → 【▼】/【▲】: Select the character entry mode. → **OK**

**2** Press the dial key (【0】 to 【9】, or 【#】) which contains the character you are searching for (page 48).
- Press the same dial key repeatedly to display the first entry corresponding to each character located on that dial key.
- If there is no entry corresponding to the character you selected, the next entry is displayed.

**3** 【▼】/【▲】: Scroll through the phonebook if necessary.

**4** 【📞】

## Editing entries

**1** Find the desired entry (page 21). → ☰

**2** 【▼】/【▲】: "Edit" → **OK**

**3** Edit the name if necessary (16 characters max.; page 48). → **OK**

**4** Edit the phone number if necessary (24 digits max.). → **OK** 2 times → 【⏻】

## Erasing entries

### Erasing an entry

**1** Find the desired entry (page 21).

**2** ✕ → 【▼】/【▲】: "Yes" → **OK** → 【⏻】

### Erasing all entries

**1** 📖 → ☰

**2** 【▼】/【▲】: "Erase All" → **OK**

**3** 【▼】/【▲】: "Yes" → **OK**

**4** 【▼】/【▲】: "Yes" → **OK** → 【⏻】

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## Chain dial

This feature allows you to dial phone numbers in the phonebook while you are on a call. This feature can be used, for example, to dial a calling card access number or bank account PIN that you have stored in the phonebook, without having to dial manually.

**1** During an outside call, press [MENU].

**2** [▼]/[▲]: “Phonebook” → OK

**3** [▼]/[▲]: Select the desired entry.

**4** Press [TALK] to dial the number.

**Note:**

- When storing a calling card access number and your PIN in the phonebook as one phonebook entry, press [P] to add pauses after the number and PIN as necessary (page 17).

# Copying phonebook entries

You can copy phonebook entries between 2 handsets.[*1]

*1 Panasonic compatible handset

### Copying an entry

**1** Find the desired entry (page 21). → [MENU]

**2** [▼]/[▲]: “Copy” → OK

**3** [▼]/[▲]: Select the handset you want to send the phonebook entry to. → OK

- When an entry has been copied, “Completed” is displayed.
- To continue copying another entry: [▼]/[▲]: “Yes” → OK → [▼]/[▲]: Select the desired entry. → OK

**4** [OFF]

### Copying all entries

**1** [PHONEBOOK] → [MENU]

**2** [▼]/[▲]: “Copy All” → OK

**3** [▼]/[▲]: Select the handset you want to send the phonebook entry to. → OK

- When all entries have been copied, “Completed” is displayed.

**4** [OFF]

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# Speed dial

You can assign 1 phone number to each of the 3 speed dial keys (【I】 to 【III】) on the unit.

**Important:**

- You can set speed dial using one of the handsets. The stored numbers to speed dial keys (【I】 to 【III】) can be used for all registered handsets and the base unit.

## Adding phone numbers or intercom numbers to speed dial keys

■ **When you add an outside party's number:**

1. 【MENU】 → 【#】【2】【6】【1】
2. 【▼】/【▲】: Select the desired speed dial key.
3. 【SELECT】
4. Enter the party's name (16 characters max.). → 【OK】
   - You can change the character entry mode by pressing 【1/A/?】 (page 48).
5. Enter the party's phone number (24 digits max.). → 【OK】 2 times
6. 【OFF】

■ **When you add an intercom number:**

1. 【MENU】 → 【#】【2】【6】【1】
2. 【▼】/【▲】: Select the desired speed dial key.
3. 【SELECT】
4. To change the character entry mode to numeric (0-9), press 【1/A/?】. → 【▼】/【▲】: "0-9" → 【OK】
5. Press 【#】 then enter intercom number (handset: 1 to 6, base unit: 0). → 【OK】 2 times
6. 【OFF】

**Note:**

- When a speed dial key (【I】 to 【III】) has no number added to it, you can press that key to start from step 3.

## Assigning phonebook entries to speed dial keys

1. Find the desired entry on "Finding and calling a phonebook entry", page 21.
2. 【MENU】
3. 【▼】/【▲】: "Speed Dial" → 【OK】
   - If a speed dial key has already been assigned, "✓" is displayed next to the key.
4. 【▼】/【▲】: Select the desired speed dial key. → 【OK】
   - If "Overwrite" is displayed, the key you selected has a phone number already assigned to it.
     To overwrite with the currently selected phone number, go to step 5.
     To select another key, press 【BACK】, then repeat this step.
5. 【OK】 → 【OFF】

## Editing an entry

1. 【MENU】 → 【#】【2】【6】【1】
2. 【▼】/【▲】: Select the desired speed dial key. → 【MENU】
3. 【▼】/【▲】: "Edit" → 【OK】
4. Edit the name if necessary (16 characters max.; page 48). → 【OK】
5. Edit the phone number if necessary (24 digits max.). → 【OK】 2 times
6. 【OFF】

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**Note:**

- When you edit an intercom number, perform steps 1 to 3, then continue from step 4, “When you add an intercom number:”, page 23.

## Erasing an entry

**1** [☰] → **[#][2][6][1]**

**2** **[▼]**/**[▲]**: Select the desired speed dial key. → [☰]

**3** **[▼]**/**[▲]**: **“Erase”** → **OK**

**4** **[▼]**/**[▲]**: **“Yes”** → **OK**

**5** **[☎/⏻]**

## Viewing the speed dial key assignments

You can see the speed dial key assignments on the handset display. Press **[☎/⏻]**. → **[▲]**

- The phone number or intercom number stored in speed dial keys (**[I]** to **[III]**) are displayed.
- When the distress call feature is on, speed dial key **[III]** displays **“[Distress]”**.

## Making a call using a speed dial key

**Handset**

Press and hold the speed dial key (**[I]** to **[III]**).

**Base unit**

Press the speed dial key (**[I]** to **[III]**).

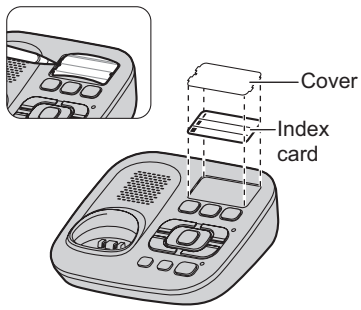
- If the base unit number is stored to a speed dial key, the base unit pages all handsets.

**Note for handset and base unit:**

- If you set the distress call feature to **“On”**, speed dial key **[III]** cannot be used as a speed dial key.

**Index card**

Use the index card to record the names/phone numbers stored to the speed dial buttons.



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# Distress call

You can make a distress call to request assistance simply by pressing speed dial key **【III】**, if you find yourself in serious difficulty. This key contains a distress list of telephone numbers you have stored.
The unit dials the distress list numbers repeatedly until the other party answers. When the other party answers, the unit plays your pre-recorded distress message and the conversation can begin.
**To use this feature, the following preparations are required:**

– store distress numbers (4 numbers max.) to the distress list in speed dial key **【III】**
– record the distress message to ask for help (20 seconds max.)
– turn on the distress call feature

## Distress call procedure

**1** **Handset:** Press and hold speed dial key **【III】**.
**Base unit:** Press speed dial key **【III】**.
- The unit dials out the 1st number in the distress list and your pre-recorded distress message is played back from your speaker repeatedly.

**2** ■ **If the distress call is answered,** your pre-recorded distress message is played to the other party. If the other party presses **【1】***1 in response to the message, the distress message stops and the conversation can begin.
**OR**
■ **If the other party is busy or does not answer within 60 seconds, even if their answering device is activated,** the unit automatically dials the next distress number. The unit repeats the sequence of dialling the numbers in the distress list, a maximum of 4 times. If nobody answers the distress call, the unit will sound error tone and disconnect the call.

*1 This operation is only available using a touch-tone phone.

**Important:**
- You should perform a test run of the distress call procedure to ensure that the distress call feature is set correctly. Public institutions such as the police, rescue services, or fire brigade must not be used for a test run.
- When the distress call feature is turned on, speed dial key **【III】** on all registered handsets and base unit lights up.

You can also store the intercom number to the distress list (4 numbers max. for intercom numbers and outside party's numbers). When the intercom number is dialled, the paged unit beeps and ♥ flashes rapidly on the handset. The distress message is not played back to the paging unit. If the paged party answers, the conversation can begin as a usual intercom call.

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# Setting the distress call

**Important:**

- You can set the distress call feature using one of the handsets. The stored numbers in speed dial key 【III】 can be used for all registered handsets and the base unit.

## Adding to the distress number list

You can store distress numbers (4 numbers max. for outside party's numbers and intercom numbers) to the distress list in the speed dial key 【III】.

■ **When you add an outside party's number:**

**1** 【MENU】 → 【#】【2】【6】【3】

**2** 【▼】/【▲】: Select the desired position (**"Distress 1"** to **"Distress 4"**) in the distress list. → 【SAVE】

**3** Enter the party's name (16 characters max.). → OK

- You can change the character entry mode by pressing 1/A/? (page 48).

**4** Enter the party's phone number (24 digits max.). → OK 2 times

- To add other entries, repeat from step 2.

**5** 【OFF】

■ **When you add an intercom number:**

**1** 【MENU】 → 【#】【2】【6】【3】

**2** 【▼】/【▲】: Select the desired position in the distress list. → 【SAVE】

**3** To change the character entry mode to numeric (0-9), press 1/A/?. → 【▼】/【▲】: **"0-9"** → OK

**4** Press 【#】 then enter intercom number (handset: 1 to 6, base unit: 0). → OK 2 times

- To add other entries, repeat from step 2.

**5** 【OFF】

**Viewing/editing entries**

**1** 【MENU】 → 【#】【2】【6】【3】

**2** 【▼】/【▲】: Select the desired position in the distress list.

**3** To exit after viewing, press 【OFF】. To edit entries, press 【MENU】. → 【▼】/【▲】: **"Edit"** → OK

**4** Edit the party's name. → OK

**5** Edit the phone number. → OK 2 times → 【OFF】

**Note:**

- When editing, press the desired dial key to add, C to erase.

**Erasing an entry**

**1** 【MENU】 → 【#】【2】【6】【3】

**2** 【▼】/【▲】: Select the desired position in the distress list. → 【MENU】

**3** 【▼】/【▲】: **"Erase"** → OK

**4** 【▼】/【▲】: **"Yes"** → OK → 【OFF】

**Erasing all entries**

**Important:**

- Distress call feature is automatically turned off if all entries are erased.

**1** 【MENU】 → 【#】【2】【6】【4】

**2** 【▼】/【▲】: **"Yes"** → OK → 【OFF】

## Distress message

After the other party answers the distress call, your pre-recorded distress message is played back. If the other party presses 【1】 in response to the message, the distress message stops and the conversation can begin.

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- While the distress call is being dialled, your pre-recorded distress message is also played back from your speaker.

**Important:**

- You should include the information to press 【1】 to accept the call other than distress request and your name and address.

**Example:**

This is distress call from Mary Smith. My address is “xxxxx”. To accept the call, press 【1】.

**Recording the distress message**

1 【MENU】 → 【#】【2】【6】【6】
2 【▼】/【▲】: “Yes” → 【OK】
3 After a beep sounds, hold the handset about 20 cm away and speak clearly into the microphone (20 seconds max.).
4 Press 【■】 to stop recording.
5 【OFF】

**Playing back the distress message**

1 【MENU】 → 【#】【2】【6】【5】
2 【OFF】

**Erasing the distress message**

**Important:**

- Distress call feature is automatically turned off if the distress message is erased.

1 【MENU】 → 【#】【2】【6】【7】
2 【▼】/【▲】: “Yes” → 【OK】 → 【OFF】

## Turning the distress call feature on/off

1 【MENU】 → 【#】【2】【6】【2】
2 【▼】/【▲】: Select the desired setting. → 【OK】 → 【OFF】

- When the distress call feature is turned on, speed dial key 【III】 lights up on all registered handsets and base unit.

**Note:**

- If you set the distress call feature to “On”, speed dial cannot be used to call the number assigned to speed dial key 【III】.

# Making a distress call using speed dial key 【III】

**Important:**

- You should perform a test run of the distress call procedure (page 25).

**Handset**

Press and hold speed dial key 【III】.

- To cancel, press 【OFF】.

**Base unit**

Press speed dial key 【III】.

- To cancel, press 【C】.
- If the base unit is stored to the distress list, the base unit pages all handsets.

**Note for handset and base unit:**

- Speed dial key 【III】 flashes rapidly and your pre-recorded distress message is played back repeatedly from your speaker.
- The unit dials out the distress number list in order (from 1st to 4th number).
- After the other party accepts the call by pressing 【1】, you can start to talk with the other party.
- You can use the distress call feature even if the key lock feature is turned on.

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# Programmable settings

You can customise the unit by programming the following features using the handset. To access the features, there are 2 methods:

– scrolling through the display menus (page 28)

– using the direct commands (page 30)

- Direct command is the main method used in these operating instructions.

## Programming by scrolling through the display menus

**1** 

**2** Press 【▼】 or 【▲】 to select the desired main menu. → OK

**3** Press 【▼】 or 【▲】 to select the desired item in sub-menu 1. → OK
- In some cases, you may need to select from sub-menu 2. → OK

**4** Press 【▼】 or 【▲】 to select the desired setting. → OK
- This step may vary depending on the feature being programmed.
- To exit the operation, press 【✆】.

**Note:**

- See page 30 for the default settings.

| Main menu | Sub-menu 1 | Sub-menu 2 | Page |
|---|---|---|---|
| Caller List | – | – | 37 |
| Answer System | Play New Msg. | – | 41 |
| | Play All Msg. | – | 41 |
| | Erase All Msg.*1 | – | 42 |
| | Greeting | Start REC*1 | 40 |
| | | Play Greeting | 40 |
| | | Default*1 | 40 |
| | Settings | Number of Rings*1 | 43 |
| | | Recording Time*1 | 44 |
| | | Remote Code*1 | 42 |
| | | Call Screening | 39 |
| | Answer On*1 | – | 39 |
| | Answer Off*1 | – | 39 |
| Time Settings | Set Date/Time*1 | – | 16 |
| | Alarm | – | 33 |
| | Time Adjustment*1 | – | – |
| Intercom | – | – | 46 |

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| Main menu | Sub-menu 1 | Sub-menu 2 | Page |
|---|---|---|---|
| Ringer Setup | Ringer Volume | – | – |
| | Ringtone | – | – |
| | Night Mode | On/Off | 33 |
| | | Start/End | 34 |
| | | Ring Delay | 34 |
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| | | Night Mode<br>– On/Off<br>– Start/End<br>– Ring Delay | 33 |
| | Time Settings | Set Date/Time*1 | 16 |
| | | Alarm | 33 |
| | | Time Adjustment*1 | – |
| | Handset Name | – | 34 |
| | Caller Barred*1 | – | 34 |
| | Speed Dial*1 | – | 23 |
| | Distress Call | Distress List*1 | 26 |
| | | Distress Message<br>– Play Message<br>– Record Message*1<br>– Erase Message*1 | 26 |
| | | Distress On/Off*1 | 27 |
| | | Erase Dist. List*1 | 26 |
| | Eco Setup | Transmission Power*1 | 16 |
| | Display Setup | LCD & Key Backlight | – |
| | | Contrast | – |
| | Keytones | – | – |
| | Auto Talk | – | 18 |
| | Line Setup | Recall/Flash*1 | 19 |
| | Privacy Mode*1 | – | – |
| | Base Unit PIN*1 | – | 35 |
| | Repeater Mode*1 | – | 36 |
| | Register | Register H.set | 35 |
| | Language | Display | 16 |

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*1 If you program these settings using one of the handsets, you do not need to program the same item using another handset.

## Programming using the direct commands

**1** [MENU] → **[#]**

**2** Enter the desired code.

**3** Select the desired setting. → **OK**

- This step may vary depending on the feature being programmed.
- To exit the operation, press **[⏻]**.

**Note:**

- In the following table, < > indicates the default settings.

| Feature | Code | Setting | System*1 | Page |
|---|---|---|---|---|
| Caller List | **[2][1][3]** | – | – | 37 |
| Set Date/Time | **[1][0][1]** | – | ● | 16 |
| Alarm | **[7][2][0]** | **[1]**: Once<br>**[2]**: Daily<br>**[0]**: <Off> | – | 33 |
| Time Adjustment*2 | **[2][2][6]** | **[1]**: <Caller ID><br>**[0]**: Manual | ● | – |
| Intercom | **[2][7][4]** | – | – | 46 |
| Ringer Volume*3 (Handset) | **[1][6][0]** | **[1]**–**[7]**: Level 1–7 <6><br>**[0]**: Off | – | – |
| Ringtone*4, *5 (Handset) | **[1][6][1]** | Ringtone 1–20<br><Ringtone 1> | – | – |
| Night Mode (On/Off) | **[2][3][8]** | **[1]**: On **[0]**: <Off> | – | 33 |
| Night Mode (Start/End) | **[2][3][7]** | <23:00/06:00> | – | 34 |
| Night Mode (Ring Delay) | **[2][3][9]** | **[1]**: 30 sec.<br>**[2]**: <60 sec.><br>**[3]**: 90 sec.<br>**[4]**: 120 sec.<br>**[0]**: No Ringing | – | 34 |
| Handset Name | **[1][0][4]** | – | – | 34 |
| Caller Barred | **[2][1][7]** | – | ● | 34 |
| Speed Dial | **[2][6][1]** | – | ● | 23 |
| Transmission Power | **[7][2][5]** | **[1]**: <Normal><br>**[2]**: Low | ● | 16 |
| LCD & Key Backlight | **[2][7][6]** | **[1]**: <On> **[0]**: Off | – | – |

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| Feature | Code | Setting | System[*1] | Page |
|---|---|---|---|---|
| Contrast (Display contrast) | 【1】【4】【5】 | 【1】–【6】: Level 1–6 <3> | – | – |
| Keytones[*6] | 【1】【6】【5】 | 【1】: <On> 【0】: Off | – | – |
| Auto Talk[*7] | 【2】【0】【0】 | 【1】: On 【0】: <Off> | – | 18 |
| Recall/Flash[*8] | 【1】【2】【1】 | 【0】: 900 msec.<br>【1】: 700 msec.<br>【2】: 600 msec.<br>【3】: 400 msec.<br>【4】: 300 msec.<br>【5】: 250 msec.<br>【✳】: 200 msec.<br>【#】: 160 msec.<br>【6】: 110 msec.<br>【7】: <100 msec.><br>【8】: 90 msec.<br>【9】: 80 msec. | ● | 19 |
| Privacy Mode[*9] | 【1】【9】【4】 | 【1】: On 【0】: <Off> | ● | – |
| Base Unit PIN | 【1】【3】【2】 | <0000> | ● | 35 |
| Repeater Mode | 【1】【3】【8】 | 【1】: On 【0】: <Off> | ● | 36 |
| Register H.set (H.set: handset) | 【1】【3】【0】 | – | – | 35 |
| Cancel Register | 【1】【3】【1】 | – | – | 36 |
| Display (Change language) | 【1】【1】【0】 | <English> | – | 16 |

**For the distress call feature**

| Feature | Code | Setting | System[*1] | Page |
|---|---|---|---|---|
| Distress List | 【2】【6】【3】 | – | ● | 26 |
| Play Message | 【2】【6】【5】 | – | – | 27 |
| Record Message | 【2】【6】【6】 | – | ● | 27 |
| Erase Message | 【2】【6】【7】 | – | ● | 27 |
| Distress On/Off | 【2】【6】【2】 | 【1】: On 【0】: <Off> | ● | 27 |
| Erase Dist. List (Dist.: Distress) | 【2】【6】【4】 | – | ● | 26 |

**For the answering system**

| Feature | Code | Setting | System[*1] | Page |
|---|---|---|---|---|
| Play New Msg. (Msg.: message) | 【3】【2】【3】 | – | – | 41 |
| Play All Msg. | 【3】【2】【4】 | – | – | 41 |
| Erase All Msg. | 【3】【2】【5】 | – | ● | 42 |

| Feature | Code | Setting | System*1 | Page |
|---|---|---|---|---|
| **Start REC** (Record greeting) | **[3][0][2]** | – | ● | 40 |
| **Play Greeting** | **[3][0][3]** | – | – | 40 |
| **Default** (Reset to pre-recorded greeting) | **[3][0][4]** | – | ● | 40 |
| **Number of Rings** | **[2][1][1]** | **<4 Rings>** | ● | 43 |
| **Recording Time** | **[3][0][5]** | **<3 Minutes>** | ● | 44 |
| **Remote Code** | **[3][0][6]** | – | ● | 42 |
| **Call Screening** | **[3][1][0]** | **<On>** | – | 39 |
| **Answer On** | **[3][2][7]** | – | ● | 39 |
| **Answer Off** | **[3][2][8]** | – | ● | 39 |

*1 If “System” column is checked, you do not need to program the same item using another handset.

*2 This feature allows the unit to automatically adjust the date and time each time caller information including date and time is received.
To turn this feature on, select **“Caller ID”**. To turn this feature off, select **“Manual”**. (Caller ID subscribers only)
To use this feature, set the date and time first (page 16).

*3 When the ringer volume is turned off, 🔕 is displayed and the handset does not ring for outside calls.
However even when the ringer volume is set to off, the handset still rings for alarm (page 33), intercom calls (page 46), and paging (page 46).

*4 If you select one of the melody ringer tones, the ringer tone continues to play for several seconds even if the caller has already hung up. You may either hear a dial tone or no one on the line when you answer the call.

*5 The preset melodies in this product are used with permission of © 2009 Copyrights Vision Inc.

*6 Turn this feature off if you prefer not to hear key tones while you are dialling or pressing any keys, including confirmation tones and error tones.

*7 If you subscribe to a Caller ID service and want to view the caller’s information after lifting up the handset to answer a call, turn off this feature.

*8 The recall/flash time depends on your telephone exchange or host PBX. Contact your PBX supplier if necessary.

*9 To prevent other users from joining your conversations with outside callers, turn this feature on.

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# Special programming

## Alarm

An alarm sounds at the set time for 3 minutes once or daily. Alarm can be set for each handset.

**Important:**

- Set the date and time beforehand (page 16).

**1** [MENU] → **[#][7][2][0]**

**2** **[▼]/[▲]**: Select the desired alarm option. → **OK**

| |
|---|
| **"Off"**<br>Turns alarm off. Go to step 6. |
| **"Once"**<br>An alarm sounds once at the set time. |
| **"Daily"**<br>An alarm sounds daily at the set time. Go to step 4. |

**3** Enter the desired date and month. → **OK**

**4** Set the desired time. → **OK**

**5** **[▼]/[▲]**: Select the desired alarm tone. → **OK**

- We recommend selecting a different ringer tone from the one used for outside calls.

**6** **OK** → **[OFF]**

- When the alarm is set, ◴ is displayed.

**Note:**

- To stop the alarm, press any dial key or place the handset on the base unit or charger.
- When the handset is in use, the alarm will not sound until the handset is in standby mode.

## Night mode

Night mode allows you to select a period of time during which the handset will not ring for outside calls. This feature is useful for time periods when you do not want to be disturbed, for example, while sleeping. Night mode can be set for each handset.

**Important:**

- Set the date and time beforehand (page 16).
- We recommend turning the base unit ringer off (page 18) in addition to turning the night mode on.
- If you have set the alarm, the alarm sounds even if the night mode is turned on.

### Turning night mode on/off

**1** [MENU] → **[#][2][3][8]**

**2** **[▼]/[▲]**: Select the desired setting. → **OK**

- If you select **"Off"**, press **[OFF]** to exit.

**3** Enter the desired hour and minute you wish to start this feature. → **OK**

- You can select 24-hour or 12-hour clock format (**"AM"** or **"PM"**) by pressing **12/24**.

**4** Enter the desired hour and minute you wish to end this feature. → **OK**

**5** **[OFF]**

- When the night mode is set, ☾ is displayed.

**Note:**

- To correct a digit, press **[▲]** or **[▼]** to move the cursor to the digit, then make the correction.

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**Changing the start and end time**

**1** [MENU] → **[#][2][3][7]**

**2** Continue from step 3, “Turning night mode on/off”, page 33.

**Setting the ring delay**

This setting allows the handset to ring during night mode if the caller waits long enough. After the selected amount of time passes, the handset rings. If you select **“No Ringing”**, the handset never rings during night mode.

**1** [MENU] → **[#][2][3][9]**

**2** **[▼]/[▲]**: Select the desired setting. → OK → **[⏻]**

**Note:**

- When the answering system answers the call, this feature does not work.

## Changing the handset name

Each handset can be given a customised name (“Bob”, “Kitchen”, etc.). This is useful when you make intercom calls between handsets. You can also select whether or not the handset name is displayed in standby mode. The default setting is **“Off”**. If you select **“On”** without entering any handset name, **“Handset 1”** to **“Handset 6”** is displayed.

**1** [MENU] → **[#][1][0][4]**

**2** Enter the desired name (max. 10 characters; page 48).

- If not required, go to step 3.

**3** OK

**4** **[▼]/[▲]**: Select the desired setting. → OK 2 times

**5** **[⏻]**

## Incoming call barring (Caller ID subscribers only)

This feature allows the unit to reject calls from specified phone numbers that you do not want to answer such as junk calls. When a call is received, the unit does not ring while the caller is being identified. If the phone number matches an entry in the call barred list, the unit sends out a busy tone to the caller, and then disconnects the call.

**Important:**

- When the unit receives a call from a number that is stored in the call barred list, the call is logged in the caller list (page 37) with ✕ after the call is disconnected.

**Storing unwanted callers**

You can store up to 30 phone numbers in the call barred list by using the caller list or by entering the numbers directly.

**Important:**

- You must store the phone number with an area code in the call barred list.

■ **From the caller list:**

**1** [MENU]

**2** **[▼]/[▲]**: **“Caller List”** → OK

**3** **[▼]/[▲]**: Select the entry to be barred. → [Save]

**4** **[▼]/[▲]**: **“Caller Barred”** → OK

**5** **[▼]/[▲]**: **“Yes”** → OK → **[⏻]**

■ **By entering phone numbers:**

**1** [MENU] → **[#][2][1][7]** → [Edit]

**2** Enter the phone number (24 digits max.). → OK

- To erase a digit, press C.

**3** **[⏻]**

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**Viewing/editing/erasing bar call numbers**

**1** [MENU] → **【#】【2】【1】【7】**

**2** **【▼】/【▲】**: Select the desired entry.
- To exit, press **【⏻】**.

**3** **To edit a number:**
[CALL LOG] → Edit the phone number. → [OK] → **【⏻】**
**To erase a number:**
[X] → **【▼】/【▲】**: **"Yes"** → [OK] → **【⏻】**

**Note:**
- When editing, press the desired dial key to add, [C] to erase.

## Changing the base unit PIN (Personal Identification Number)

**Important:**
- If you change the PIN, please make note of your new PIN. The unit will not reveal the PIN to you. If you forget your PIN, see page 52.

**1** [MENU] → **【#】【1】【3】【2】**

**2** Enter the current 4-digit base unit PIN (default: **"0000"**).

**3** Enter the new 4-digit base unit PIN. → [OK] → **【⏻】**

# Registering a unit

## Operating additional units

**Additional handsets**

Up to 6 handsets can be registered to the base unit.

**Important:**
- The additional handset model recommended for use with this unit is noted on page 5. If another handset model is used, certain operations (handset settings, base unit settings, etc.) may not be available.

## Registering a handset to the base unit

The supplied handset and base unit are pre-registered. If for some reason the handset is not registered to the base unit (for example, ✕ is displayed even when the handset is near the base unit), re-register the handset.

**1** **Handset:**
[MENU] → **【#】【1】【3】【0】**

**2** **Base unit:**
Press and hold **【📶】** for about 5 seconds, until the registration tone sounds.
- If all registered handsets start ringing, press the same button to stop. Then repeat this step.
- The next step must be completed within 90 seconds.

**3** **Handset:**
Wait until **"Base PIN"** is displayed. → Enter the base unit PIN (default: **"0000"**). → [OK]
- If you forget your PIN, see page 52.
- When the handset has been registered successfully, ✕ is displayed.

**Note:**
- While registering, **"Base in registering"** is displayed on all registered handsets.
- When you purchase an additional handset, refer to the additional handset's installation manual for registration.

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**Deregistering a handset**

A handset can cancel its own registration (or the registration of another handset) that is stored to the base unit. This allows the handset to end its wireless connection with the system.

**1** [MENU] → **[#][1][3][1]**
- All handsets registered to the base unit are displayed.

**2** **[▼]/[▲]**: Select the handset you want to cancel. → **OK**

**3** **[▼]/[▲]**: **"Yes"** → **OK**
- A confirmation tone sounds.
- The handset does not beep when cancelling its own registration.

**4** **[⏻]**

## Increasing the range of the base unit

You can increase the signal range of the base unit by using a DECT repeater. Please use only the Panasonic DECT repeater noted on page 4. Contact your Panasonic dealer for details.

**Important:**

- Before registering the repeater to this base unit, you must turn the repeater mode on.
- Do not use more than one repeater at a time.

**Setting the repeater mode**

**1** [MENU] → **[#][1][3][8]**

**2** **[▼]/[▲]**: Select the desired setting. → **OK** → **[⏻]**

**Note:**

- After turning the repeater mode on or off, ▼ is displayed on the handset momentarily. This is normal and the handset can be used once ▼ is displayed.

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# Using Caller ID service

**Important:**

- This unit is Caller ID compatible. To use Caller ID features, you must subscribe to a Caller ID service. Contact your service provider/ telephone company for details.

## Caller ID features

When an outside call is being received, the caller's phone number is displayed. Caller information for the last 50 callers is logged in the caller list from the most recent call to the oldest.

- If the unit cannot receive caller information, the following is displayed:
  - "**Out of Area**": The caller dials from an area which does not provide a Caller ID service.
  - "**Private Caller**": The caller requests not to send caller information.
- If the unit is connected to a PBX system, caller information may not be properly received. Contact your PBX supplier.

**Missed calls**

If a call is not answered, the unit treats it as a missed call and ➔) is displayed. This lets you know if you should view the caller list to see who called while you were away.

Even if only one missed call in the caller list is viewed (page 37), ➔) disappears from the display. When you receive another new call, ➔) is displayed again.

**Note:**

- Even when there are unviewed missed calls, ➔) disappears from the standby display if the following operation is performed by one of the registered handsets:
  - Being replaced on the base unit or charger.
  - Pressing 【✆/⏻】.

**Phonebook name display**

When caller information is received and it matches a phone number stored in the phonebook, the stored name in the phonebook is displayed and logged in the caller list.

# Caller list

**Important:**

- Only 1 person can access the caller list at a time.
- Make sure the unit's date and time setting is correct (page 16).

## Viewing the caller list and calling back

1 【☰】

2 【▼】/【▲】: "**Caller List**" → OK

3 Press 【▼】 to search from the most recent call, or press 【▲】 to search from the oldest call.

4 To call back, press 【✆】.
To exit, press 【✆/⏻】.

**Note:**

- If the entry has already been viewed or answered, "✓" is displayed, even if it was viewed or answered using another handset.
- If the call matches an entry in the call barred list, the number is logged with ✕👤 (page 34).

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## Editing a caller's phone number before calling back

**1** 
**2** 【▼】/【▲】: "Caller List" → OK
**3** 【▼】/【▲】: Select the desired entry.
**4** → Edit the number.
- Press dial key (【0】 to 【9】) to add, C to delete.

**5** 【】

## Erasing selected caller information

**1** 
**2** 【▼】/【▲】: "Caller List" → OK
**3** 【▼】/【▲】: Select the desired entry.
**4** → 【▼】/【▲】: "Yes" → OK → 【】

## Erasing all caller information

**1** 
**2** 【▼】/【▲】: "Caller List" → OK
**3** → 【▼】/【▲】: "Yes" → OK → 【】

## Storing caller information to the phonebook

**1** 
**2** 【▼】/【▲】: "Caller List" → OK
**3** 【▼】/【▲】: Select the desired entry. →
**4** 【▼】/【▲】: "Phonebook" → OK
**5** To store the name, continue from step 2, "Adding entries", page 21.

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# Answering system

The answering system can answer and record calls for you when you are unavailable to answer the phone.
You can also set the unit to play a greeting message but not to record caller messages by selecting **"Greeting Only"** as the recording time setting (page 44).

**Important:**

- Only 1 person can access the answering system (listen to messages, record a greeting message, etc.) at a time.
- When callers leave messages, the unit records the day and time of each message. Make sure the date and time have been set correctly (page 16).

## Memory capacity (including your greeting message)

The total recording capacity is about 40 minutes. A maximum of 64 messages can be recorded.

**Note:**

- If message memory becomes full:
  - **"Messages Full"** is shown on the handset display.
  - The answer on indicator on the base unit flashes rapidly when the answering system is turned on.
- When the message memory becomes full:
  - If you use the pre-recorded greeting message, the unit automatically switches to another pre-recorded greeting message asking callers to call again later.
  - If you recorded your own greeting message, the same message is still announced to callers even though their messages are not recorded.

# Turning the answering system on/off

The answering system is preset to on.

**Base unit**

Press 【 】 to turn on/off the answering system.

- When the answering system is turned on, the answer on indicator lights up.

**Handset**

**1** **To turn on:**
【 】 → 【#】【3】【2】【7】
**To turn off:**
【 】 → 【#】【3】【2】【8】

**2** 【 】

**Note:**

- When the answering system is turned on, is displayed next to the battery icon.

## Call screening

While a caller is leaving a message, you can listen to the call through the unit's speaker.

**Handset**

To adjust the speaker volume, press 【+】 or 【−】 repeatedly. You can answer the call by pressing 【 】. Call screening can be set for each handset.
The default setting is **"On"**.

**1** 【 】 → 【#】【3】【1】【0】

**2** 【▼】/【▲】: Select the desired setting.
→ OK → 【 】

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**Base unit**

To adjust the speaker volume, press 【+】 or 【−】 repeatedly. You can answer the call by pressing 【📞】.
To turn off while screening a call, press 【−】 repeatedly until the sounds goes off.

- If you adjust the speaker volume while listening to messages or while having a conversation, the speaker volume for call screening is turned on again.

# Greeting message

When the unit answers a call, a greeting message is played to callers.
You can use either:

– your own greeting message
– a pre-recorded greeting message

## Recording your greeting message

1 【Menu】 → 【#】【3】【0】【2】
2 【▼】/【▲】: “Yes” → OK
3 After a beep sounds, hold the handset about 20 cm away and speak clearly into the microphone (2 minutes and 30 seconds max.).
4 Press 【Stop】 to stop recording.
5 【Off】

## Using a pre-recorded greeting message

The unit provides 2 pre-recorded greeting messages:

– If you erase or do not record your own greeting message, the unit plays a pre-recorded greeting asking callers to leave a message.
– If the message recording time (page 44) is set to “Greeting Only”, callers’ messages are not recorded and the unit plays a different pre-recorded greeting message asking callers to call again.

**Resetting to a pre-recorded greeting message**

If you want to use a pre-recorded greeting message once you record your own greeting message, you need to erase your own greeting message.

1 【Menu】 → 【#】【3】【0】【4】
2 OK → 【Off】

## Playing back the greeting message

1 【Menu】 → 【#】【3】【0】【3】
2 【Off】

# Listening to messages using the base unit

When new messages have been recorded, 【►】 on the base unit flashes. Press 【►】.

- If new messages have been recorded, the base unit plays back new messages.
- If there are no new messages, the base unit plays back all messages.

**Note:**

- When the answer on indicator on the base unit flashes rapidly, the message memory is full (“Memory capacity (including your greeting message)”, page 39).

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### Operating the answering system during playback

| Key | Operation |
|---|---|
| 【+】or【−】 | Adjust the speaker volume |
| 【⏮】 | Repeat message*1 |
| 【⏭】 | Skip message |
| 【■】 | Stop playback |
| 【×】 | Erase currently playing message |

*1 If pressed within the first 5 seconds of a message, the previous message is played.

### Erasing all messages

Press 【×】2 times while the unit is not in use.

## Listening to messages using the handset

When new messages have been recorded, ✉ is displayed on the handset with the total number of new messages.

**1 To listen to new messages:**
**☰ → 【#】【3】【2】【3】**
**To listen to all messages:**
**☰ → 【#】【3】【2】【4】**

**2** When finished, press 【⏻】.

**Note:**

- To switch to the receiver, press 【📞】.
- If **"Messages Full"** is shown on the display, ✉ and the total number of new messages are not displayed.

### Operating the answering system

**☰ → 【▼】/【▲】: "Answer System" → OK**

| Key | Operation |
|---|---|
| 【+】or【−】 | Adjust the receiver or speaker volume (during playback) |
| 【1】 | Repeat message (during playback)*1 |
| 【2】 | Skip message (during playback) |
| 【3】 | Enter the **"Settings"** menu |
| 【4】 | Play new messages |
| 【5】 | Play all messages |
| 【6】 | Play greeting message |
| 【7】【6】 | Record greeting message |
| 【8】 | Turn answering system on |
| ☰ | Pause message*2 |
| 【9】or ■ | Stop recording<br>Stop playback |
| 【0】 | Turn answering system off |
| 【✱】【4】*3 | Erase currently playing message |
| 【✱】【5】 | Erase all messages |
| 【✱】【6】 | Reset to a pre-recorded greeting message |

*1 If pressed within the first 5 seconds of a message, the previous message is played.

*2 To resume playback: 【▼】/【▲】: **"Play"** → OK

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*3 You can also erase as follows:
[X] → 【▼】/【▲】: “Yes” → [OK]

### Calling back (Caller ID subscribers only)

If caller information is received for the call, you can call the caller back while listening to a message.

**1** Press [≡] during playback.

**2** 【▼】/【▲】: “Call Back” → [OK]

**Editing the number before calling back**

**1** Press [≡] during playback.

**2** 【▼】/【▲】: “Edit & Call” → [OK]

**3** Edit the number. → 【✆】

### Erasing all messages

**1** [≡] → 【#】【3】【2】【5】

**2** 【▼】/【▲】: “Yes” → [OK] → 【✆⏻】

## Remote operation

Using a touch-tone phone, you can call your phone number from outside and access the unit to listen to messages or change answering system settings. The unit’s voice guidance prompts you to press certain dial keys to perform different operations.

### Remote access code

A 3-digit remote access code must be entered when operating the answering system remotely. This code prevents unauthorised parties from listening to your messages remotely.

**Important:**

- In order to operate the answering system remotely, you must first set a remote access code.

**1** [≡] → 【#】【3】【0】【6】

**2** To turn on remote operation, enter the desired 3-digit remote access code.

**3** [OK] → 【✆⏻】

**Deactivating remote operation**

Press 【✳】 in step 2 on “Remote access code”, page 42.

- The entered remote access code is deleted.

### Using the answering system remotely

**1** Dial your phone number from a touch-tone phone.

**2** After the greeting message starts, enter your remote access code.
- The unit announces the number of new messages.

**3** Follow the voice guidance prompts as necessary or control the unit using remote commands (page 43).

**4** When finished, hang up.

**Note:**

- You can also leave a message just as any outside caller can. After the greeting message starts, press 【✳】 to skip the greeting message and record your message after the beep.

### Voice guidance

During remote operation, the unit’s voice guidance starts and prompts you to press 【1】 to perform a specific operation, or press 【2】 to listen to more available operations.

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**Note:**

- If you do not press any dial keys within 10 seconds after a voice guidance prompt, the unit disconnects your call.

### Remote commands

You can press dial keys to access certain answering system functions without waiting for the voice guidance to prompt you.

| Key | Operation |
|---|---|
| 【1】 | Repeat message (during playback)*1 |
| 【2】 | Skip message (during playback) |
| 【4】 | Play new messages |
| 【5】 | Play all messages |
| 【6】 | Play greeting message |
| 【7】 | Record greeting message |
| 【9】 | Stop recording<br>Stop playback |
| 【0】 | Turn answering system off |
| 【✳】【4】 | Erase currently playing message |
| 【✳】【5】 | Erase all messages |
| 【✳】【6】 | Reset to a pre-recorded greeting message (during greeting message playback) |
| 【✳】【#】 | End remote operation (or hang up) |

*1 If pressed within the first 5 seconds of a message, the previous message is played.

### Turning on the answering system remotely

If the answering system is off, you can turn it on remotely.

**1** Dial your phone number from a touch-tone phone.

**2** Let the phone ring 20 times.
- A long beep is heard.

**3** Enter your remote access code within 10 seconds after the long beep.
- The greeting message is played back.
- You can either hang up, or enter your remote access code again and begin remote operation (page 42).

## Answering system settings

### Number of rings before the unit answers a call

You can change the number of times the phone rings **"Number of Rings"** before the unit answers a call. You can select 2 to 7 rings, or **"Auto"**.
The default setting is **"4 Rings"**.
**"Auto"**: The unit's answering system answers at the end of the 2nd ring when new messages have been recorded, or at the end of the 5th ring when there are no new messages. If you call your phone from outside to listen to new messages (page 42), you know that there are no new messages when the phone rings for the 3rd time. You can then hang up without being charged for the call.

**1** 【MENU】 → 【#】【2】【1】【1】

**2** 【▼】/【▲】: Select the desired setting. → 【OK】 → 【⏻】

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**For voice mail service subscribers**

To receive voice mail and use answering system properly, please note the following:

- To use the voice mail service (page 45) provided by your service provider/ telephone company rather than the unit's answering system, turn off the answering system (page 39).
- To use this unit's answering system rather than the voice mail service provided by your service provider/ telephone company, please contact your service provider/telephone company to deactivate your voice mail service.

  If your service provider/telephone company cannot do this:
  - Set this unit's **"Number of Rings"** setting so that this unit's answering system answers calls before the voice mail service of your service provider/telephone company does. It is necessary to check the number of rings required to activate the voice mail service provided by your service provider/ telephone company before changing this setting.
  - Change the number of rings of the voice mail service so that the answering system can answer the call first. To do so, contact your service provider/telephone company.

## Caller's recording time

You can change the maximum message recording time allowed for each caller. The default setting is **"3 Minutes"**.

**1** MENU → **[#][3][0][5]**

**2** **[▼]**/**[▲]**: Select the desired setting. → **OK** → **[⏻]**

**Selecting "Greeting Only"**

You can select **"Greeting Only"** which sets the unit to announce a greeting message to callers but not record messages.

Select **"Greeting Only"** in step 2 on "Caller's recording time", page 44.

**Note:**

- When you select **"Greeting Only"**:
  - If you do not record your own message, the unit will play the pre-recorded greeting-only message asking callers to call again later.
  - If you use your own message, record the greeting-only message asking callers to call again later (page 40).

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# Voice mail service

Voice mail is an automatic answering service offered by your service provider/ telephone company. After you subscribe to this service, your service provider/ telephone company's voice mail system answers calls for you when you are unavailable to answer the phone or when your line is busy. Messages are recorded by your service provider/ telephone company, not your telephone. When you have new messages, ✉ is displayed on the handset if message indication service is available. Please contact your service provider/telephone company for details of this service.

**Important:**

- If ✉ still remains on the display even after you have listened to new messages, turn it off by pressing and holding **【#】** for 2 seconds.
- To use the voice mail service provided by your service provider/telephone company rather than the unit's answering system, turn off the answering system (page 39). For details, see page 44.

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# Intercom

Intercom calls can be made:
– between handsets.
– between a handset and the base unit.

**Note:**

- If you receive an outside call while talking on the intercom, you hear 2 tones.
  – To answer the call with the handset, press 【✂⏻】, then press 【✆】.
  – To answer the call with the base unit, press 【🔇】 2 times.
- When paging unit(s), the paged unit(s) beeps for 1 minute.

## Making an intercom call

**Handset**

1 【☰】 → 【🔊】
2 【▼】/【▲】: Select the desired unit. → 【OK】
   - To stop paging, press 【✂⏻】.
3 When you finish talking, press 【✂⏻】.

**Base unit**

1 【📢】
   - All registered handsets beep for 1 minute.
   - To stop paging, press 【📢】.
2 When you finish talking, press 【🔇】.

**Using the speed dial key (【1】 to 【3】)**

- **When 2 or more handsets are registered,** you can page a specific handset from the base unit by storing handset numbers to speed dial keys (【1】 to 【3】) (page 23, 24).
- You can also page from a handset to a specific unit by simply pressing and holding speed dial keys.

## Answering an intercom call

**Handset**

1 Press 【✆】 to answer the page.
2 When you finish talking, press 【✂⏻】.

**Base unit**

1 Press 【📢】 to answer the page.
2 When you finish talking, press 【🔇】.

# Handset locator

You can locate a misplaced handset by paging it.

1 **Base unit:**
Press 【📢】.
   - All registered handsets beep for 1 minute.
2 To stop paging:
**Base unit:**
Press 【📢】.
**Handset:**
Press 【🔊】, then press 【✂⏻】.

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# Transferring calls, conference calls

Outside calls can be transferred or a conference call with an outside party can be made:

– between 2 handsets.

– between a handset and the base unit.

**Handset**

**1** During an outside call, press [•)))] to put the call on hold.

**2** 【▼】/【▲】: Select the desired unit. → [OK]

**3** Wait for the paged party to answer.

- If the paged party does not answer, press [↩] to return to the outside call.

**4** **To complete the transfer:**
Press 【↘⏻】.

- The outside call is being routed to the destination unit.

**To establish a conference call:**
Press [▽].

- To leave the conference, press 【↘⏻】. The other 2 parties can continue the conversation.
- To put the outside call on hold, press [⏏]. To resume the conference, press [▽].

**Base unit**

**1** During an outside call, press 【•)))】.

- All registered handsets beep for 1 minute.
- **When 2 or more handsets are registered,** you can page a specific handset from the base unit by storing handset numbers to speed dial keys (**【I】** to **【III】**) (page 23, 24).

**2** Wait for the paged party to answer.

- If paged party does not answer, press 【•)))】 to return to the outside call.

**3** **To complete the transfer:**
Press 【🔊】.

- The outside call is being routed to the handset.

**To establish a conference call:**
Press 【🔊】 and then press 【🔊】 again.

- To leave the conference, press 【🔊】. The other 2 parties can continue the conversation.

**Note for handset and base unit:**

- If you want to return to the outside call after the paged party answers, press [✕] on the handset or press 【•)))】 on the base unit.

**Answering a transferred call**

**Handset**

Press 【📞】 to answer the page.

**Base unit**

Press 【🔊】 to answer the page.

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# Character entry

The dial keys are used to enter characters and numbers. Each dial key has multiple characters assigned to it. The characters that can be entered depend on the character entry mode (page 48).

– Press 【▲】 or 【▼】 to move the cursor left or right.
– Press dial keys to enter characters and numbers.
– Press C to erase the character or number highlighted by the cursor. Press and hold C to erase all characters or numbers.
– Press 【✱】 (A→a) to switch between uppercase and lowercase.
– To enter another character located on the same dial key, press 【▼】 to move the cursor to the next space, then press the appropriate dial key.
– If you do not press any dial key within 5 seconds after entering a character, the character is fixed and the cursor moves to the next space.

## Character entry modes

The available character entry modes are Alphabet (ABC), Numeric (0-9), Greek (ΑΒΓ), Extended 1 (AÄÅ), Extended 2 (SŚŠ), and Cyrillic (АБВ). When in these entry modes except Numeric, you can select which character is entered by pressing a dial key repeatedly.

**When the unit displays the character entry screen:**
1/A/? → 【▼】/【▲】: Select a character entry mode. → OK

**Note:**

- ␣ in the following tables represents a single space.

**Alphabet character table (ABC)**

| 0 ␣ | 1 &'( | 2 ABC | 3 DEF | 4 GHI | 5 JKL | 6 MNO | 7 PQRS | 8 TUV | 9 WXYZ | # |
|---|---|---|---|---|---|---|---|---|---|---|
| ␣ 0 | ␣ & ' ( ) ✱ , | A B C 2 | D E F 3 | G H I 4 | J K L 5 | M N O 6 | P Q R S 7 | T U V 8 | W X Y Z 9 | # |
| | - . / 1 | a b c 2 | d e f 3 | g h i 4 | j k l 5 | m n o 6 | p q r s 7 | t u v 8 | w x y z 9 | |

**Numeric entry table (0-9)**

| 0 ␣ | 1 &'( | 2 ABC | 3 DEF | 4 GHI | 5 JKL | 6 MNO | 7 PQRS | 8 TUV | 9 WXYZ | # |
|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | # |

**Greek character table (ΑΒΓ)**

| 0 ␣ | 1 &'( | 2 ABC | 3 DEF | 4 GHI | 5 JKL | 6 MNO | 7 PQRS | 8 TUV | 9 WXYZ | # |
|---|---|---|---|---|---|---|---|---|---|---|
| ␣ 0 | ␣ & ' ( ) ✱ , - . / 1 | A B Γ 2 | Δ E Z 3 | H Θ I 4 | K Λ M 5 | N Ξ O 6 | Π P Σ 7 | T Y Φ 8 | X Ψ Ω 9 | # |

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**Extended 1 character table (AÄÅ)**

| 0 ␣ | 1 &'( | 2 ABC | 3 DEF | 4 GHI | 5 JKL | 6 MNO | 7 PQRS | 8 TUV | 9 WXYZ | # |
|---|---|---|---|---|---|---|---|---|---|---|
| ␣ 0 | ␣ & '<br>( ) ✱ ,<br>- . / 1 | A À Á<br>Â Ã Ä<br>Å Æ B<br>C Ç 2 | D E È<br>É Ê Ë<br>Ē F 3 | G Ğ H<br>I Ì Í Î<br>Ï Ī İ Ǐ<br>4 | J K L<br>5 | M N Ñ<br>O Ò Ó<br>Ô Õ Ö<br>ø 6 | P Q R<br>S Ş ß<br>7 | T U Ù<br>Ú Û Ü<br>Ũ V 8 | W Ŵ X<br>Y ŷ Z<br>9 | # |
| | a à á<br>â ã ä<br>å æ b<br>c ç 2 | d e è<br>é ê ë<br>ē f 3 | g ğ h<br>i ì í î<br>ï ī ı ǐ<br>4 | j k l 5 | m n ñ<br>o ò ó<br>ô õ ö<br>ø 6 | p q r s<br>ş ß 7 | t u ù<br>ú û ü<br>ũ v 8 | w Ŵ x<br>y ŷ z<br>9 | | |

- The following are used for both uppercase and lowercase: ø Ŵ ŷ

**Extended 2 character table (SŚŠ)**

| 0 ␣ | 1 &'( | 2 ABC | 3 DEF | 4 GHI | 5 JKL | 6 MNO | 7 PQRS | 8 TUV | 9 WXYZ | # |
|---|---|---|---|---|---|---|---|---|---|---|
| ␣ 0 | ␣ & '<br>( ) ✱ ,<br>- . / 1 | A Á Ä<br>Ą B C<br>Ć Č 2 | D Ď E<br>É Ę Ě<br>F 3 | G H I<br>Í 4 | J K L<br>Ł Ĺ Ľ<br>5 | M N Ń<br>Ñ O Ó<br>Ö Ő 6 | P Q R<br>Ŕ Ř S<br>Ś Š 7 | T Ť U<br>Ú Ü Ű<br>ů V 8 | W X Y<br>ỳ Ý Z<br>Ź Ż Ž<br>9 | # |
| | a á ä<br>ą b c<br>ć č 2 | d ď e<br>é ę ě<br>f 3 | g h i í<br>4 | j k l ł<br>ĺ ľ 5 | m n ń<br>ň o ó<br>ö ő 6 | p q r<br>ŕ ř s<br>ś š 7 | t ť u<br>ú ü ű<br>ů v 8 | w x y<br>ỳ ý z<br>ź ż ž<br>9 | | |

- The following are used for both uppercase and lowercase:

  Ą Ć Č Ę Ł Ĺ Ľ Ń Ŕ Ś Š ů ỳ Ź Ż Ž

**Cyrillic character table (АБВ)**

| 0 ␣ | 1 &'( | 2 ABC | 3 DEF | 4 GHI | 5 JKL | 6 MNO | 7 PQRS | 8 TUV | 9 WXYZ | # |
|---|---|---|---|---|---|---|---|---|---|---|
| ␣ 0 Ґ<br>Є І Ї<br>ў | ␣ & '<br>( ) ✱ ,<br>- . / 1 | А Б В<br>Г<br>2 | Д Е Ж<br>З<br>3 | И Й К<br>Л<br>4 | М Н О<br>П<br>5 | Р С Т<br>У<br>6 | Ф Х Ц<br>Ч<br>7 | Ш Щ<br>Ъ Ы<br>8 | Ь Э Ю<br>Я<br>9 | # |

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# Error messages

If the unit detects a problem, one of the following messages is shown on the display.

| Display message | Cause/solution |
|---|---|
| **Base no power** or **No link. Reconnect AC adaptor.** | • The handset has lost communication with the base unit. Move closer to the base unit and try again.<br>• Unplug the base unit's AC adaptor to reset the unit. Reconnect the adaptor and try again.<br>• The handset's registration may have been cancelled. Re-register the handset (page 35). |
| **Check Phone Line** | • The supplied telephone line cord has not been connected yet or not connected properly. Check the connections (page 11). |
| **Error** | • Recording was too short. Try again. |
| **Failed** | • Phonebook copy failed (page 22). Confirm the other handset (the receiver) is in standby mode and try again. |
| **Incomplete** | • The receiver's phonebook memory is full. Erase the unwanted phonebook entries from the other handset (the receiver) and try again. |
| **Memory Full** | • The phonebook memory is full. Erase unwanted entries (page 21).<br>• Message memory is full. Erase unwanted messages (page 41).<br>• The call barred list memory is full. Erase unwanted entries (page 35). |
| **Use rechargeable battery.** | • A wrong type of battery such as Alkaline or Manganese was inserted. Use only the rechargeable Ni-MH batteries noted on page 4, 8. |
| **You must first subscribe to Caller ID.** | • You must subscribe to a Caller ID service. Once you receive caller information after subscribing to a Caller ID service, this message will not be displayed. |

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# Troubleshooting

If you still have difficulties after following the instructions in this section, disconnect the base unit's AC adaptor and turn off the handset, then reconnect the base unit's AC adaptor and turn on the handset.

**General use**

| Problem | Cause/solution |
|---|---|
| The handset does not turn on even after installing charged batteries. | • Place the handset on the base unit or charger to turn on the handset. |
| The unit does not work. | • Make sure the batteries are installed correctly (page 11).<br>• Fully charge the batteries (page 11).<br>• Check the connections (page 11).<br>• Unplug the base unit's AC adaptor to reset the unit and turn off the handset. Reconnect the adaptor, turn on the handset and try again.<br>• The handset has not been registered to the base unit. Register the handset (page 35). |
| I cannot hear a dial tone. | • Make sure that you are using the supplied telephone line cord. Your old telephone line cord may have a different wiring configuration.<br>• The base unit's AC adaptor or telephone line cord is not connected. Check the connections.<br>• Disconnect the base unit from the telephone line and connect the line to a known working telephone. If the working telephone operates properly, contact our service personnel to have the unit repaired. If the working telephone does not operate properly, contact your service provider/telephone company. |

**Programmable settings**

| Problem | Cause/solution |
|---|---|
| The display is in a language I cannot read. | • Change the display language (page 16). |
| While programming, the display returns to standby mode. | • A call matching an entry in the call barred list is being received. Wait and try again later. |

| Problem | Cause/solution |
|---|---|
| I cannot activate the eco mode. | • You cannot set eco mode when you set the repeater mode **"On"**. If required, set the repeater mode to **"Off"** (page 36). |
| I cannot register a handset to a base unit. | • The maximum number of handsets (6) is already registered to the base unit. Cancel unused handset registrations from the base unit (page 36).<br>• You entered the wrong PIN. If you forget your PIN, see "I cannot remember the PIN." (page 52). |
| I cannot remember the PIN. | • Change the PIN using the following method.<br>**1** [MENU] → **[#][1][3][2]**<br>**2** **[*][7][0][0][0]**<br>**3** Enter the new 4-digit base unit PIN. → **OK** → **[C]** |

**Battery recharge**

| Problem | Cause/solution |
|---|---|
| The handset beeps and/or [BATT] flashes. | • Battery charge is low. Fully charge the batteries (page 11). |
| I fully charged the batteries, but<br>– [BATT] still flashes or<br>– the operating time seems to be shorter. | • Clean the battery ends (⊕, ⊖) and the charge contacts with a dry cloth and charge again.<br>• It is time to replace the batteries (page 11). |
| The handset display is blank. | • The handset is not turned on. Turn the power on (page 15). |

**Making/answering calls, intercom**

| Problem | Cause/solution |
|---|---|
| [ANT] is displayed. | • The handset is too far from the base unit. Move closer.<br>• The base unit's AC adaptor is not properly connected. Reconnect AC adaptor to the base unit.<br>• The handset is not registered to the base unit. Register it (page 35).<br>• Activating one touch eco mode reduces the range of the base unit in standby mode. If required, turn eco mode off (page 16). |

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| Problem | Cause/solution |
|---|---|
| Noise is heard, sound cuts in and out. | • You are using the handset or base unit in an area with high electrical interference. Re-position the base unit and use the handset away from sources of interference.<br>• Move closer to the base unit.<br>• If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details.<br>• Unplug the base unit's AC adaptor to reset the unit and turn off the handset. Reconnect the adaptor, turn on the handset and try again. |
| Sound quality seems to be getting worse. | • You have registered a handset that is not recommended (page 5). The clearest sound quality is only possible by registering the recommended handset. |
| The handset does not ring. | • The ringer volume is turned off. Adjust ringer volume (page 30).<br>• Night mode is turned on. Turn it off (page 33). |
| The base unit does not ring. | • The ringer volume is turned off. Adjust ringer volume (page 18). |
| I cannot make a call. | • The handset is too far from the base unit. Move closer and try again.<br>• Another unit is in use. Wait and try again later.<br>• Answering system is being used by another handset. Wait and try again later.<br>• The key lock feature is turned on. Turn it off (page 20). |
| I received a call from a caller in the call barred list while the distress call feature was operating. | • While you are using the distress call feature, a call may be received from any caller, even if that caller is stored in the caller barred list. In times of distress, the unit allows any caller to assist you. |

**Caller ID**

| Problem | Cause/solution |
|---|---|
| Caller information is not displayed. | • You must subscribe to a Caller ID service. Contact your service provider/telephone company for details.<br>• If your unit is connected to any additional telephone equipment, remove and plug the unit directly into the wall jack.<br>• If you use a DSL/ADSL service, we recommend connecting a DSL/ADSL filter between the base unit and the telephone line jack. Contact your DSL/ADSL provider for details.<br>• Other telephone equipment may be interfering with this unit. Disconnect the other equipment and try again. |
| Caller information is slow to display. | • Depending on your service provider/telephone company, the unit may display the caller's information at the 2nd ring or later.<br>• Move closer to the base unit. |
| Time on the unit has shifted. | • Incorrect time information from incoming Caller ID changes the time. Set the time adjustment to **"Manual"** (off) (page 30). |
| The name stored in the phonebook is not fully displayed while an outside call is being received. | • Edit the phonebook entry name to fit in 1 line of text (page 21). |

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**Answering system**

| Problem | Cause/solution |
|---|---|
| The unit does not record new messages. | ● The answering system is turned off. Turn it on (page 39).<br>● The message memory is full. Erase unwanted messages (page 41).<br>● The recording time is set to **"Greeting Only"**. Change the setting (page 44).<br>● If your own greeting message is not recorded properly, callers are unable to leave a message. Record your own greeting message again (page 40).<br>● If you subscribe to a voice mail service, messages are recorded by your service provider/telephone company, not your telephone. Change the unit's number of rings setting or contact your service provider/telephone company (page 43). |
| My own greeting message cannot be properly heard. | ● Record your own greeting message again (page 40). |
| I cannot operate the answering system. | ● Someone is using the unit. Wait for the other user to finish.<br>● A caller is leaving a message. Wait for the caller to finish.<br>● The handset is too far from the base unit. Move closer. |
| I cannot operate the answering system remotely. | ● The remote access code is not set. Set the remote access code (page 42).<br>● You are entering the wrong remote access code. If you have forgotten your remote access code, enter the remote access code setting to check your current code (page 42).<br>● Press each key firmly.<br>● The answering system is turned off. Turn it on (page 43). |

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**Liquid damage**

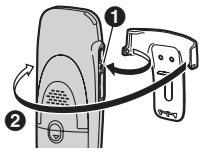
| Problem | Cause/solution |
|---|---|
| Liquid or other form of moisture has entered the handset/base unit. | • Disconnect the AC adaptor and telephone line cord from the base unit. Remove the batteries from the handset and leave to dry for at least 3 days. After the handset/base unit are completely dry, reconnect the AC adaptor and telephone line cord. Insert the batteries and charge fully before use. If the unit does not work properly, contact an authorised service centre. |

**Caution:**

- To avoid permanent damage, do not use a microwave oven to speed up the drying process.

# Belt clip

■ **To attach**




■ **To remove**

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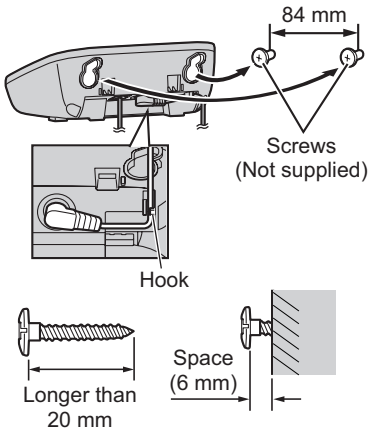
# Wall mounting

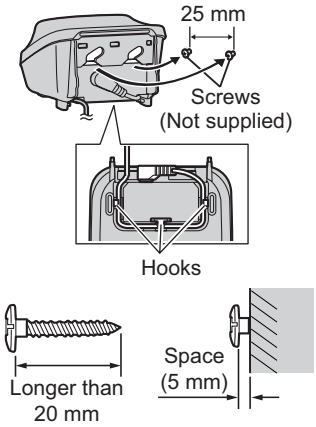
**Note:**

- Make sure that the wall is strong enough to support the weight of the unit.

**■ Base unit**




**■ Charger**



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# Conditions of guarantee

This guarantee is in addition to and does not in any way affect any statutory or other rights of consumer purchasers. If within the applicable guarantee period, the product proves to be defective by reason of faulty design, workmanship or materials, we undertake subject to the following conditions to have the defective product (or any part or parts there of) repaired or replaced free of charge.

1. The product shall have been purchased and used solely within either the U.K. or R.O.I. and in accordance with standard operating instructions and the technical and/or Safety Standards required in the U.K.
2. On being found defective, please consult with the retailer from where it was purchased for assistance.
3. This guarantee shall not apply to damage caused through fire, accident, lightning, misuse, wear and tear, neglect, incorrect adjustment or repair, to damage caused through installation, adaption, modification or use in an improper manner or inconsistent with the technical and/or safety standards required in the country where this product is used, or to damage occurred during transit to or from the purchaser.
4. If at any time during the guarantee period any part or parts of the product are replaced with a part or parts not supplied or approved by us or of an objective quality safe and suitable for the product, or the product has been dismantled or repaired by any person not authorised by us, we shall have the right to terminate this guarantee in whole or in part immediately without further notice.
5. The purchaser's sole and exclusive remedy under this guarantee against us is for the repair or replacement of the product or any defective part or parts and no other remedy, including, but not limited to, incidental or consequential damage or loss of whatsoever nature shall be available to the purchaser.
6. This guarantee shall not apply to batteries and any other items of limited natural life.
7. Our decision on all matters relating to complaints shall be final. Any product or defective part which has been replaced shall become our property.
8. The guarantee period applicable to this product shall be 12 months.

Please keep these operating instructions with your receipt.

**Panasonic Business Systems U.K.**

| | |
|---|---|
| Receipt No. | Date of purchase |
| Model No. | Serial No. |

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# IMPORTANT!

**If your product is not working properly. . .**

① **Reconnect AC adaptor to the base unit.**
② **Check if telephone line cord is connected.**
③ **Use rechargeable Ni-MH batteries.**
(Alkaline/Manganese/Ni-Cd batteries CANNOT be used.)
④ Read **troubleshooting** page in the **Operating Instructions**.

**If you still have any problems, please call the Panasonic DECT Helpline**
**0844 844 3898 (U.K.)**
**01289 8333 (Rep of Ireland)**
**or contact us through our website:**
**www.panasonic.co.uk**

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